

User: Galos, Marie
 Westchester Dept. of Labs & Research
 Date: 11/05/2001 Time: 08:58:00

Sample: AD24290
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 11/5/01 08:57 Ended: 11/5/01 08:57 Analyst: MG
 Page: 1

	Component Name	Vis	Result
1	Other unknown compounds		see comment

Comments for Sample AD24290 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Galos, Marie

Date: 11-05-2001 Time: 08:58:07

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT3101\24290.D

Vial: 6

Acq On : 31 Oct 2001 9:00 pm

Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Nov 1 11:39 2001

Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Last Update : Tue Oct 23 10:12:13 2001

Response via : Initial Calibration

DataAcq Meth : NP101901

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.71	152	542361	20.00	ug/l	-0.01
19) Naphthalene-d8	15.32	136	2146722	20.00	ug/l	-0.01
31) Acenaphthene-d10	20.60	164	1041285	20.00	ug/l	-0.01
49) Phenanthrene-d10	25.01	188	1513220	20.00	ug/l	-0.02
59) Chrysene-d12	33.06	240	1003164	20.00	ug/l	-0.01
68) Perylene-d12	37.15	264	717682	20.00	ug/l	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/l	
Spiked Amount	75.000		Recovery	=	0.00%	
5) Phenol-d5	0.00	99	0	0.00	ug/l	
Spiked Amount	75.000		Recovery	=	0.00%	
6) 2-Chlorophenol-d4	11.71	132	295	0.01	ug/l	0.47
Spiked Amount	75.000		Recovery	=	0.01%	
7) 1,2-Dichlorobenzene-d4	12.24	152	6281	0.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	0.62%	
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
32) 2-Fluorobiphenyl	18.74	172	2193	0.04	ug/l	0.13
Spiked Amount	50.000		Recovery	=	0.08%	
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/l	
Spiked Amount	75.000		Recovery	=	0.00%	
62) Terphenyl-d14	0.00	244	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-nitroso-dimethyl amine	0.00	74	0	N.D.	
8) Phenol	0.00	94	0	N.D.	
9) bis(2-Chloroethyl) ether	0.00	93	0	N.D.	
10) 2-Chlorophenol	0.00	128	0	N.D.	
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
14) 2-Methylphenol	0.00	108	0	N.D.	
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.	
16) 3&4-Methylphenol	0.00	108	0	N.D.	
17) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.	
18) Hexachloroethane	0.00	117	0	N.D.	
21) Nitrobenzene	0.00	77	0	N.D.	
22) Isophorone	0.00	82	0	N.D.	

(#)= qualifier out of range (m)= manual integration

24290.D NP103001.M Thu Nov 01 11:39:54 2001

Page 1

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT3101\24290.D
 Acq On : 31 Oct 2001 9:00 pm
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Nov 1 11:39 2001

Vial: 6
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Last Update : Tue Oct 23 10:12:13 2001
 Response via : Initial Calibration
 DataAcq Meth : NP101901

Compound	R.T.	Q Ion	Response	Conc	Unit	Qvalue
23) 2-Nitrophenol	0.00	139	0		N.D.	
24) 2,4-Dimethylphenol	0.00	107	0		N.D.	
25) bis(2-Chloroethoxy)methane	0.00	93	0		N.D.	
26) 2,4-Dichlorophenol	0.00	162	0		N.D.	
27) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
28) Naphthalene	15.38	128	303		N.D.	
29) Hexachlorobutadiene	0.00	225	0		N.D.	
30) 4-Chloro-3-methylphenol	0.00	107	0		N.D.	
34) Hexachlorocyclopentadiene	0.00	237	0		N.D.	
35) 2,4,6-Trichlorophenol	0.00	196	0		N.D.	
36) 2,4,5-Trichlorophenol	0.00	196	0		N.D.	
37) 2-Chloronaphthalene	0.00	162	0		N.D.	
38) Dimethylphthalate	0.00	163	0		N.D.	
39) 2,6-Dinitrotoluene	0.00	165	0		N.D.	d
40) Acenaphthylene	0.00	152	0		N.D.	
41) Acenaphthene	0.00	153	0		N.D.	
42) 2,4-Dinitrophenol	0.00	184	0		N.D.	
43) 4-Nitrophenol	0.00	65	0		N.D.	
44) 2,4-Dinitrotoluene	0.00	165	0		N.D.	
45) Diethylphthalate	0.00	149	0		N.D.	
46) 4-Chlorophenyl-phenylether	0.00	204	0		N.D.	
47) Fluorene	0.00	166	0		N.D.	
48) Azobenzene/ 1,2-Diphenylhyd	0.00	77	0		N.D.	
50) 4,6-Dinitro-2-methylphenol	0.00	198	0		N.D.	
51) N-Nitrosodiphenylamine	0.00	168	0		N.D.	
52) 4-Bromophenyl-phenylether	0.00	248	0		N.D.	
53) Hexachlorobenzene	0.00	284	0		N.D.	
54) Pentachlorophenol	0.00	266	0		N.D.	
55) Phenanthrene	25.01	178	351		N.D.	
56) Anthracene	25.01	178	351		N.D.	
57) Di-n-butylphthalate	27.03	149	2303		N.D.	
58) Fluoranthene	0.00	202	0		N.D.	
60) 3,3'-Dichlorobenzidine	0.00	252	0		N.D.	
61) Benzidine	0.00	184	0		N.D.	
63) Pyrene	0.00	202	0		N.D.	
64) Butylbenzylphthalate	0.00	149	0		N.D.	
65) Benzo(a)anthracene	33.06	228	2527		N.D.	
66) Bis(2-ethylhexyl)phthalate	33.32	149	1778		N.D.	
67) Chrysene	33.06	228	2527		N.D.	
69) Di-n-Octylphthalate	0.00	149	0		N.D.	
70) Benzo(b)fluoranthene	0.00	252	0		N.D.	

(#) = qualifier out of range (m) = manual integration

24290.D NP103001.M Thu Nov 01 11:39:59 2001

Page 2

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT3101\24290.D

Acq On : 31 Oct 2001 9:00 pm

Sample : gc/ms unknown

Misc :

MS Integration Params: RTEINT.P

Quant Time: Nov 1 11:39 2001

Vial: 6

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Last Update : Tue Oct 23 10:12:13 2001

Response via : Initial Calibration

DataAcq Meth : NP101901

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71) Benzo(k)fluoranthene	0.00	252	0	N.D.		
72) Benzo(a)pyrene	37.15	252	2905	N.D.		
73) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
74) Dibenzo(a,h)anthracene	0.00	278	0	N.D.		
75) Benzo(g,h,i)perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration
24290.D NP103001.M Thu Nov 01 11:40:00 2001

Page 3

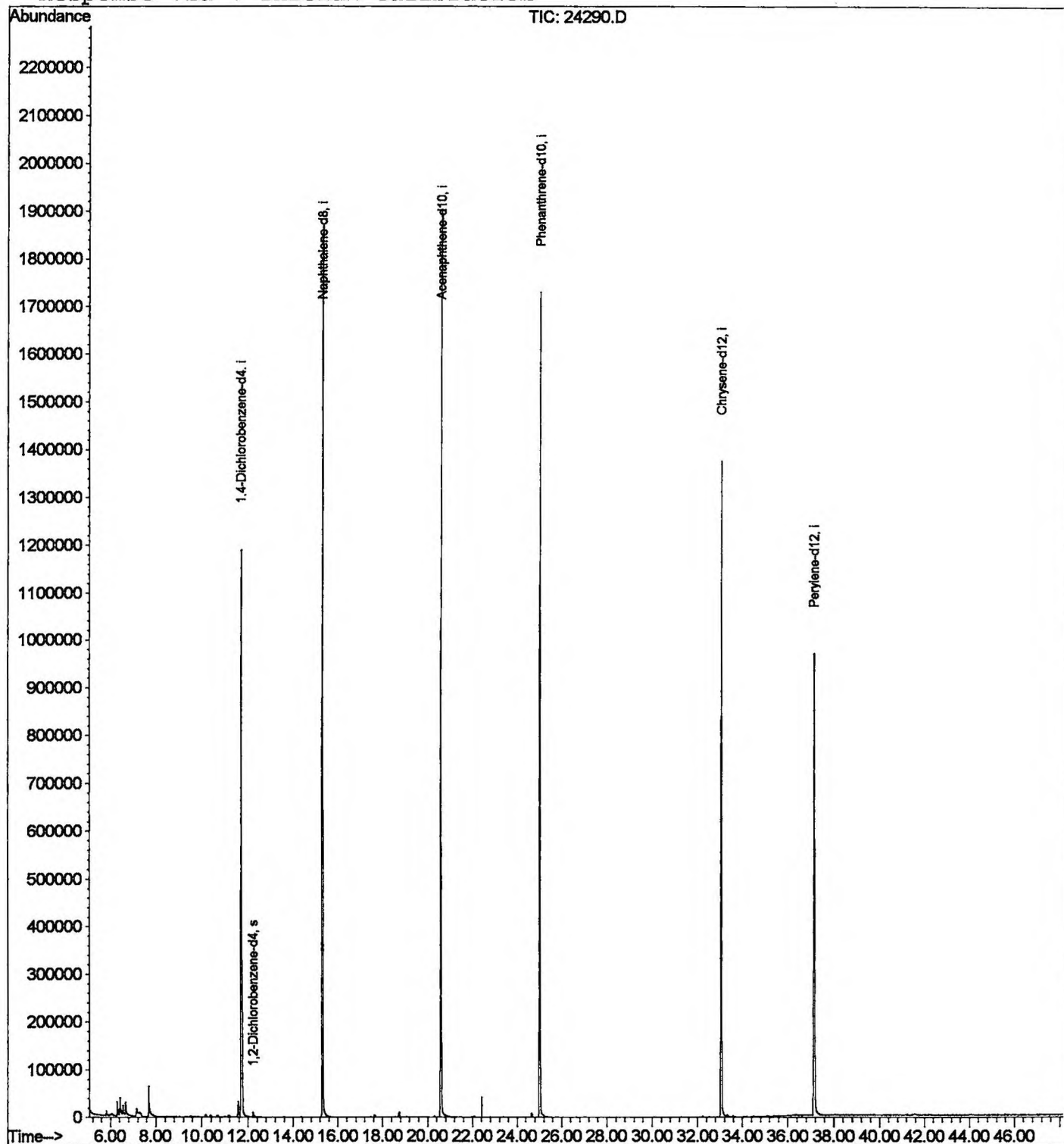
Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24290.D
Acq On : 31 Oct 2001 9:00 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 1 11:39 2001

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Results File: NP101901.RES

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Nov 01 10:28:09 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24290.D
 Acq On : 31 Oct 2001 9:00 pm
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

Vial: 6
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Signal : TIC

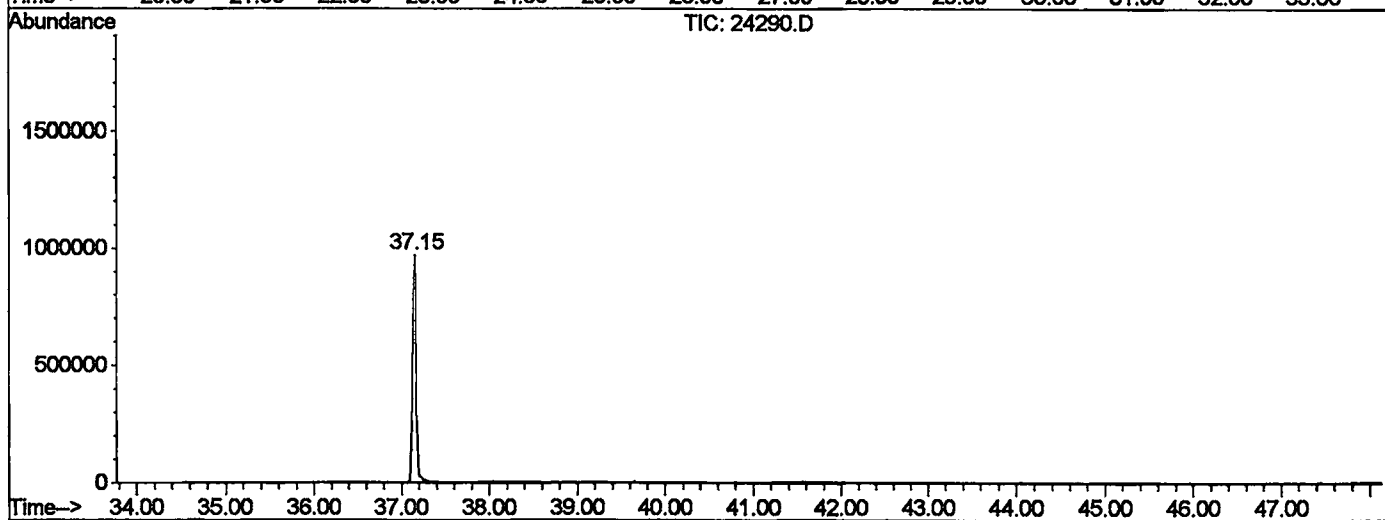
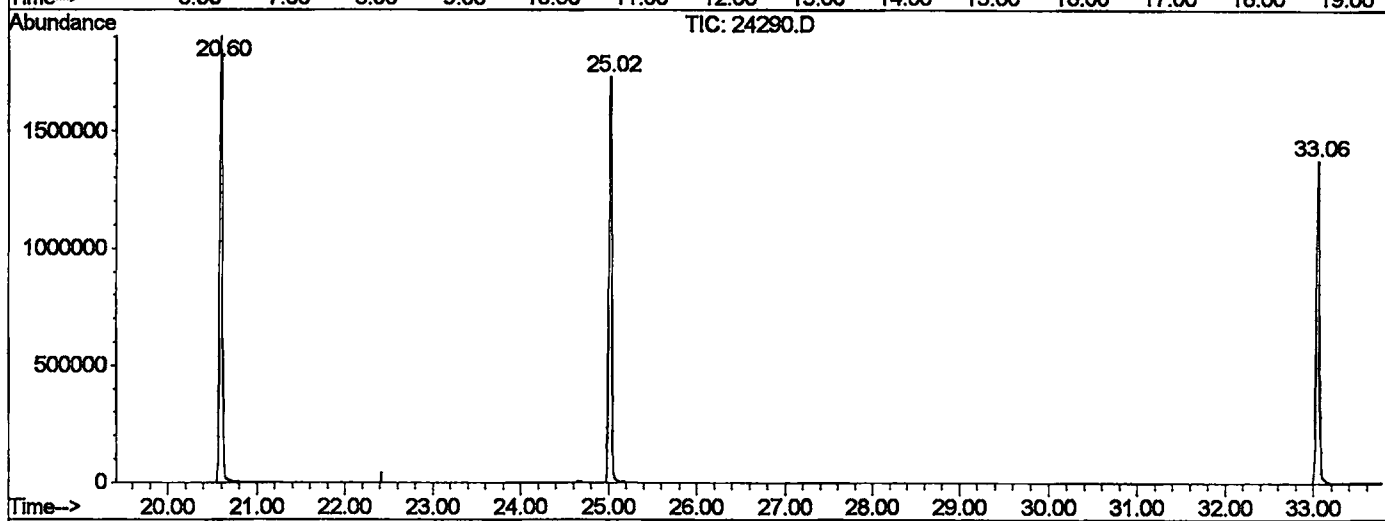
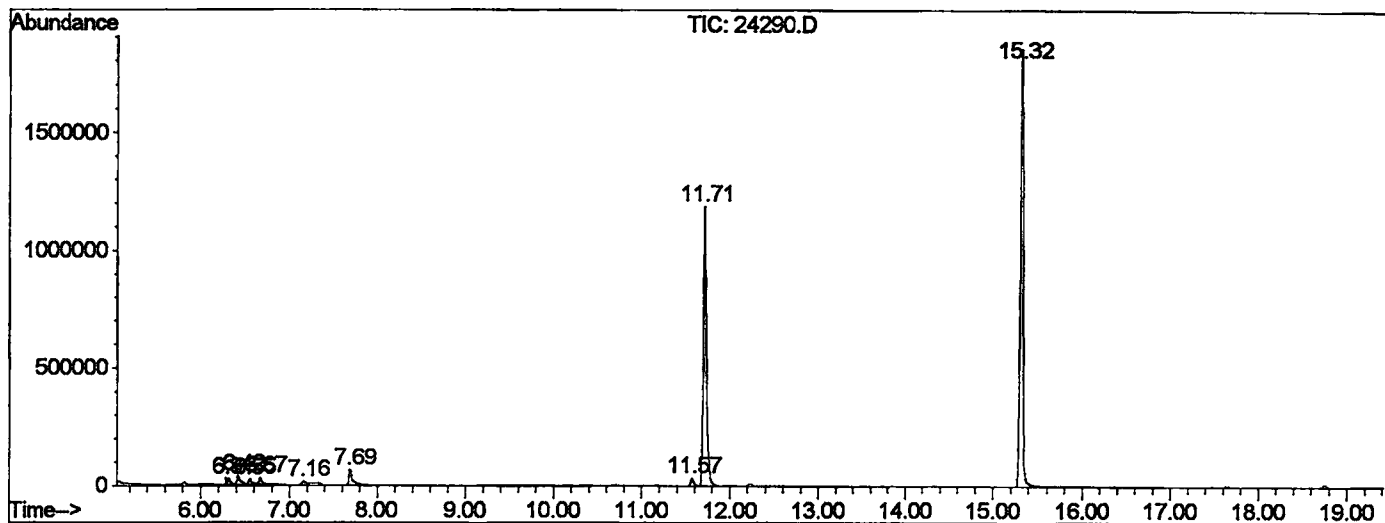
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.314	136	138	146	rVV	25084	52340	1.28%	0.247%
2	6.424	146	150	159	rVV2	37432	101027	2.46%	0.476%
3	6.553	161	164	173	rVV2	20559	51344	1.25%	0.242%
4	6.672	173	177	188	rVB	26890	62513	1.52%	0.295%
5	7.159	223	230	236	rBV2	15543	51584	1.26%	0.243%
6	7.691	284	288	302	rBV	64591	180588	4.40%	0.851%
7	11.575	705	711	720	rBV	33541	78815	1.92%	0.371%
8	11.712	720	726	749	rVV	1189344	2875747	70.09%	13.553%
9	15.320	1113	1119	1136	rBV	1855057	3926704	95.70%	18.506%
10	20.599	1687	1694	1711	rBV	1903540	4103065	100.00%	19.337%
11	25.024	2169	2176	2188	rBV	1730085	3820302	93.11%	18.005%
12	33.057	3044	3051	3068	rBV2	1376294	3227097	78.65%	15.209%
13	37.151	3489	3497	3518	rBV2	968020	2687173	65.49%	12.664%

Sum of corrected areas: 21218299

24290.D NP103001.M Fri Nov 02 12:02:31 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT3101\24290.D
 Operator : 209 GALOS
 Acquired : 31 Oct 2001 9:00 pm using AcqMethod NP101901
 Instrument : GC/MS 209
 Sample Name: gc/ms unknown
 Misc Info :
 Vial Number: 6
 Quant File :NP101901.RES (RTE Integrator)



24290.D NP103001.M Fri Nov 02 12:02:33 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24290.D
 Acq On : 31 Oct 2001 9:00 pm
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

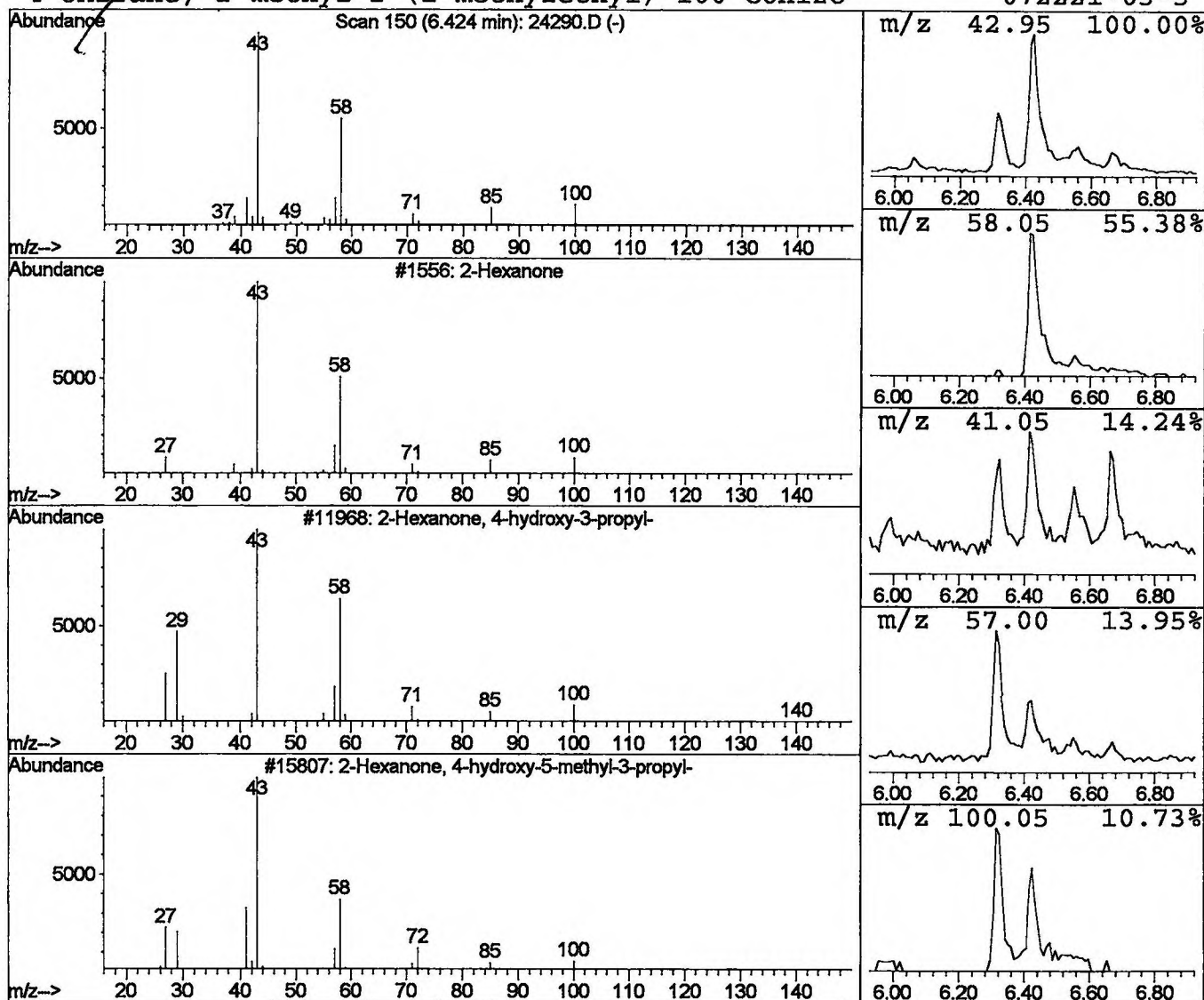
Vial: 6
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 1 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	0.70 ug/l	101027	1,4-Dichlorobenzene-d4	11.71

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Hexanone	100	C6H12O	000591-78-6	90
2		2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	74
3		2-Hexanone, 4-hydroxy-5-methyl-3-pr	172	C10H20O2	061141-74-0	74
4		Oxirane, 2-methyl-2-(1-methylethyl)	100	C6H12O	072221-03-5	59



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24290.D
 Acq On : 31 Oct 2001 9:00 pm
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

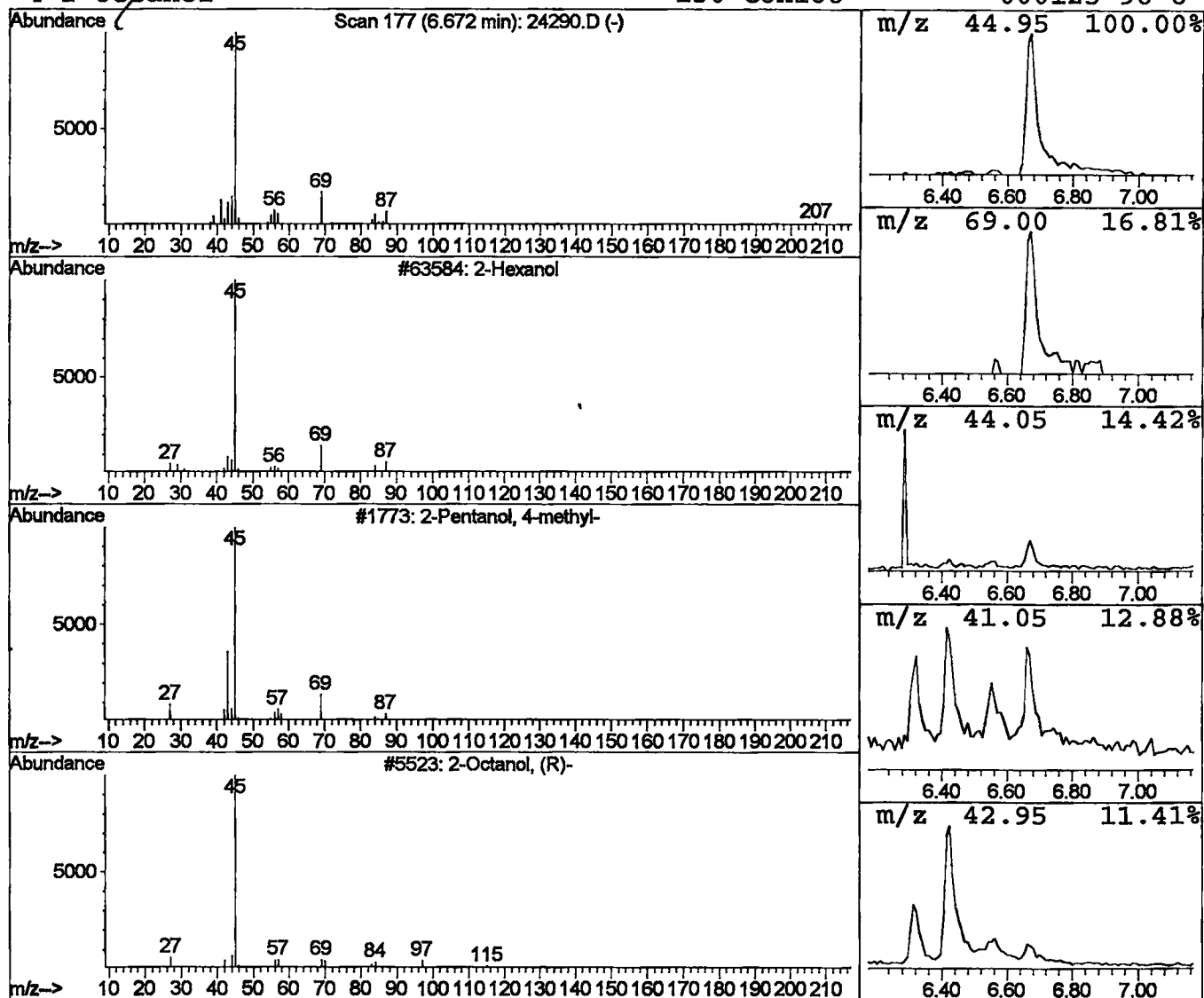
Vial: 6
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 2 2-Hexanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	0.43 ug/l	62513	1,4-Dichlorobenzene-d4	11.71

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol		102	C6H14O	000626-93-7	78
2	2-Pentanol, 4-methyl-		102	C6H14O	000108-11-2	64
3	2-Octanol, (R)-		130	C8H18O	005978-70-1	50
4	2-Octanol		130	C8H18O	000123-96-6	39



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24290.D
Acq On : 31 Oct 2001 9:00 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

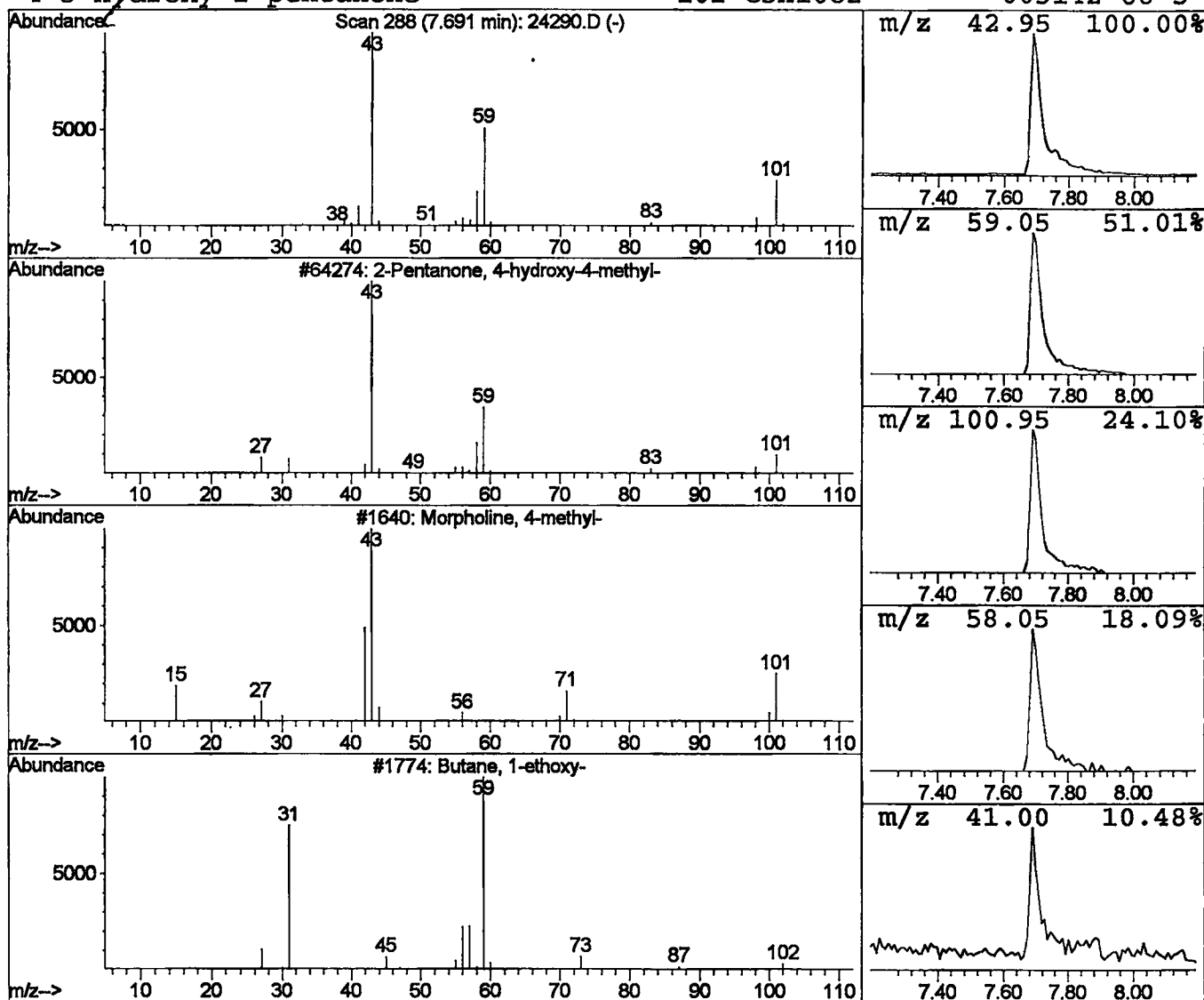
Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

Peak Number 3 2-Pentanone, 4-hydroxy-4-methyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	1.26 ug/l	180588	1,4-Dichlorobenzene-d4	11.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4			3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9



Library Search Compound Report

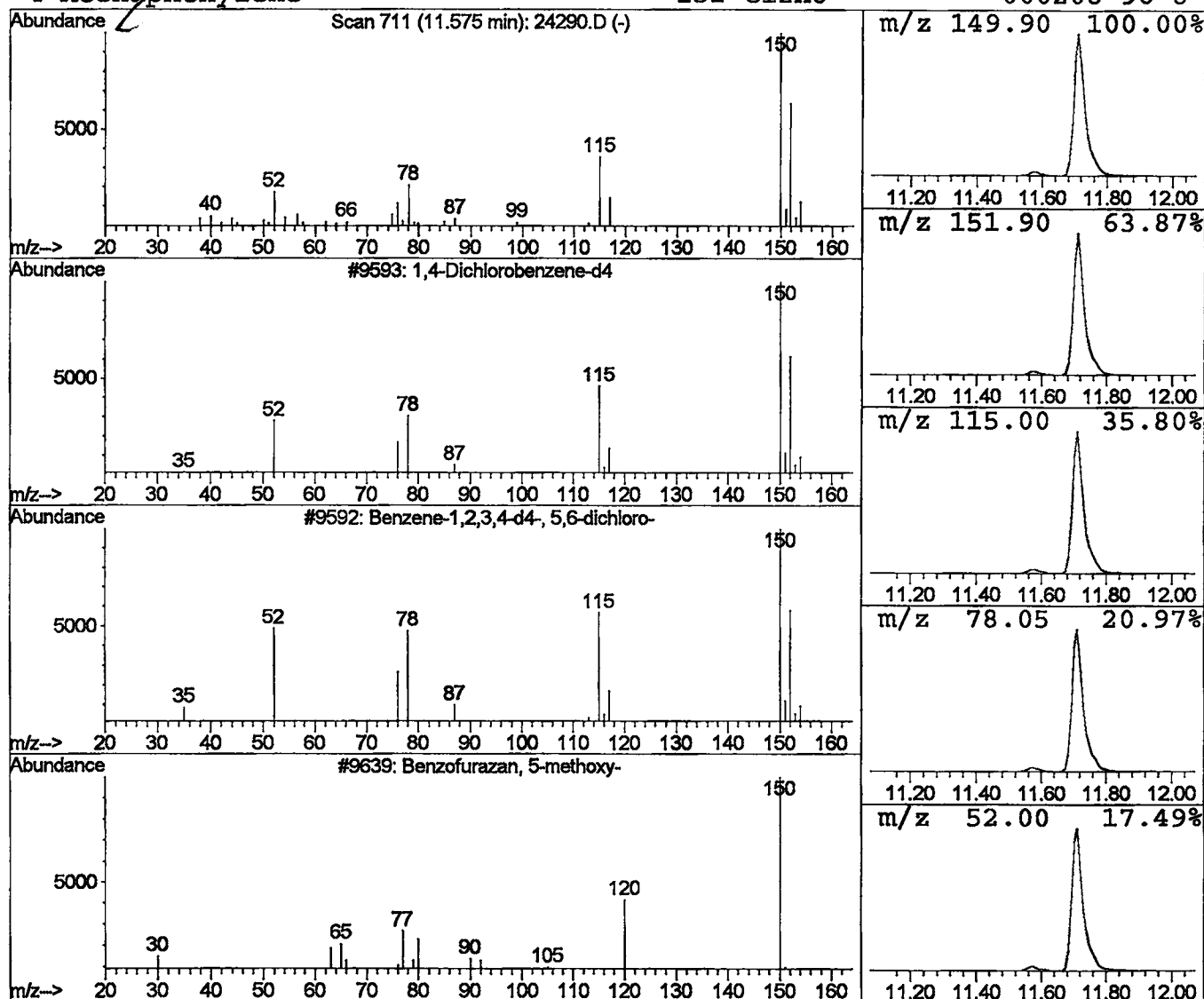
Data File : C:\HPCHEM\1\DATA\OCT3101\24290.D
Acq On : 31 Oct 2001 9:00 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

Peak Number 4 1,4-Dichlorobenzene-d4 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.57	0.55 ug/l	78815	1,4-Dichlorobenzene-d4	11.71	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	64
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	32
3	Benzofurazan, 5-methoxy-	150	C7H6N2O2	004413-48-3	9
4	Acenaphthylene	152	C12H8	000208-96-8	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 31 Oct 2001 9:00 pm
Data File: C:\HPCHEM\1\DATA\OCT3101\24290.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
2-Hexanone	6.42	0.7 ug/l	101027	ISTD01	11.71	2875750	20.0
2-Hexanol	6.67	0.4 ug/l	62513	ISTD01	11.71	2875750	20.0
2-Pentanone, 4-hydro	7.69	1.3 ug/l	180588	ISTD01	11.71	2875750	20.0
1,4-Dichlorobenzene-	11.57	0.5 ug/l	78815	ISTD01	11.71	2875750	20.0

24290.D NP103001.M Fri Nov 02 12:02:44 2001

Comments for Sample AD24290 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 11-07-2001 Time: 16:20:30

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds. However, 1,2-Dichlorobenzene-d4 is present at 0.31 ug/L, probably due to laboratory contamination since it is a Surrogate Standard used in GCMS methods.